

**AMENDMENTS TO THE CLAIMS:**

This listing of claims will replace all prior versions, and listings, of claims in the application:

Listing of Claims:

1-12. (cancelled)

13. **(currently amended)** A pump as claimed in claim [[12]] 33, wherein said first and second pistons are axially aligned.

14. (previously presented) A pump as claimed in claim 13, said cam followers engaging said constant velocity cam at opposite ends of a diameter of the circle of rotation of said cam.

15. **(currently amended)** A pump as claimed in claim [[12]] 33, wherein said cam followers are roller cam followers.

16-18. (canceled)

19. **(currently amended)** A pump as claimed in claim [[12]] 33, further comprising:  
third and fourth cylinders;  
a second constant velocity cam driven by said rotary output shaft; and  
third and fourth axially aligned pistons reciprocable in the respective third and fourth cylinders, said third and fourth pistons being driven for reciprocatory movement 180° out of phase with one another by said second constant velocity cam, the reciprocable movement of said third and

fourth pistons being 90° out of phase with the reciprocatory movement of said first and second pistons.

20. (previously presented) A pump as claimed in claim 19, further comprising:  
a common pressure loop to which liquid discharged from said first, second, third and fourth cylinders is to be supplied.

21. **(currently amended)** A pump as claimed in claim [[12]] 33, further comprising:  
a reduction gearbox interposed between the output shaft ~~of the motor~~ and said constant velocity cam.

22. **(currently amended)** A pump as claimed in claim [[12]] 33, further comprising:  
a flywheel incorporated in the drive transmission between the output shaft and the constant velocity cam.

23. **(currently amended)** A pump as claimed in claim [[12]] 31, wherein each said piston is arranged to have a stroke of 30 to 80mm.

24. (previously presented) A pump as claimed in claim 23, wherein each said piston has a diameter of between 60 and 150 mm.

25-26. (canceled)

27. **(currently amended)** A pump as claimed in claim 24, being a liquid paint circulating pump, ~~and further comprising:~~  
~~at least a guide rail extending parallel to an axis along which the pistons are rectilinearly reciprocable.~~

28-29. (canceled)

30. **(currently amended)** A pump as claimed in claim ~~[[29]]~~ 33, further comprising:  
first and second captive ball joints coupling the respective first and second cam followers to  
the respective first and second pistons.

31. **(currently amended)** A pump, ~~as claimed in claim 29, further comprising:~~  
an A.C. electric motor having a rotary output shaft;  
first and second cylinders;  
first and second pistons reciprocable rectilinearly in the respective first and second  
cylinders;  
a constant velocity cam driven by the rotary output shaft; and  
first and second cam followers which, together with the constant velocity cam, couple the  
rotary output shaft to said first and second pistons, respectively, for converting rotary motion of the  
output shaft into reciprocatory motion of said first and second pistons 180° out of phase with one  
another,  
wherein said first and second cam followers are interconnected by a spring  
arrangement simultaneously urging both said cam followers toward each other to  
engage the cam surface of said constant velocity cam, and  
wherein an entirety of the spring arrangement is moveable following rotary  
motion of said constant velocity cam;  
two guide rails extending parallel to and on opposite sides of an axis along which the  
pistons are rectilinearly reciprocable;  
first and second cam follower sliders each of which is slidably mounted on both said guide  
rails and carriers thereon a roller defining the respective first or second cam follower; and

at least one tension spring directly connecting the first and second cam follower sliders for simultaneously urging both said cam followers toward each other to engage the cam surface of said constant velocity cam.

32. **(currently amended)** A pump, as claimed in claim 29, further comprising:  
an A.C. electric motor having a rotary output shaft;  
first and second cylinders;  
first and second pistons reciprocable rectilinearly in the respective first and second  
cylinders;  
a constant velocity cam driven by the rotary output shaft; and  
first and second cam followers which, together with the constant velocity cam, couple the  
rotary output shaft to said first and second pistons, respectively, for converting rotary motion of the  
output shaft into reciprocatory motion of said first and second pistons 180° out of phase with one  
another,  
  
wherein said first and second cam followers are interconnected by a spring  
arrangement simultaneously urging both said cam followers toward each other to  
engage the cam surface of said constant velocity cam, and  
  
wherein an entirety of the spring arrangement is moveable following rotary  
motion of said constant velocity cam;  
  
two guide rails extending parallel to and on opposite sides of an axis along which the  
pistons are rectilinearly reciprocable;  
  
first and second cam follower sliders each of which is slidably mounted on both said guide  
rails and carriers thereon a roller defining the respective first or second cam follower;  
  
first and second brackets attached to the first and second cam follower sliders, respectively,  
and having first and second through bores, respectively;  
  
a retaining rod extending slidably through the first and second bores and having first and  
second ends projecting beyond said first and second bores, respectively; and

first and second compression springs mounted between (i) the first and second ends of the retaining rod, respectively, and (ii) the first and second brackets, respectively, for simultaneously urging both said cam followers toward each other to engage the cam surface of said constant velocity cam.

33. **(currently amended)** A pump, comprising:  
a constant velocity cam driven by a rotary shaft;  
first and second cylinders;  
first and second pistons reciprocable rectilinearly in the respective first and second cylinders;  
first and second cam followers which, together with the constant velocity cam, couple the rotary output shaft to said first and second pistons, respectively, for converting rotary motion of the constant velocity cam into reciprocatory motion of said first and second pistons 180° out of phase with one another; [[and]]  
at least one guide rail extending parallel to an axis along which the pistons are rectilinearly reciprocable;  
first and second cam follower sliders each of which is slidably mounted on said at least one guide rail and carriers thereon the respective first or second cam follower; and  
at least one spring acting on at least one of the first and second cam follower sliders and simultaneously urging both said cam followers toward each other to engage the cam surface of said constant velocity cam;  
wherein an entirety of the at least one spring is moveable relative to the first and second cylinders.

34. **(currently amended)** A pump as claimed in claim 33, wherein said at least one spring [[is]] comprises a compression spring.

35. **(currently amended)** A pump as claimed in claim 33, wherein said at least one spring ~~[[is]]~~ comprises a tension spring.

36. **(new)** A pump as claimed in claim 35, wherein said tension spring directly connects the first and second cam follower sliders for simultaneously urging both said cam followers toward each other to engage the cam surface of said constant velocity cam.

37. **(new)** A pump as claimed in claim 34, further comprising:  
a retaining rod extending between the first and second cam follower sliders, and having opposite first and second ends associated with the first and second cam follower sliders, respectively;

wherein said compression spring is mounted between the first end of the retaining rod and the first cam follower slider, and urges the first end of the retaining rod away from the second cam follower slider for simultaneously urging both said cam followers toward each other to engage the cam surface of said constant velocity cam.

38. **(new)** A pump as claimed in claim 33, further comprising:  
first and second brackets attached to the first and second cam follower sliders, respectively, and having first and second through bores, respectively; and

a retaining rod extending slidably through the first and second bores and having first and second ends projecting beyond said first and second bores, respectively;

wherein said at least one spring comprises first and second compression springs mounted between (i) the first and second ends of the retaining rod, respectively, and (ii) the first and second brackets, respectively, for simultaneously urging both said cam followers toward each other to engage the cam surface of said constant velocity cam.

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39. **(new)** A pump as claimed in claim 32, wherein each said piston is arranged to have a stroke of 30 to 80mm.

40. **(new)** A pump as claimed in claim 39, wherein each said piston has a diameter of between 60 and 150 mm.

41. **(new)** A pump as claimed in claim 40, being a liquid paint circulating pump.